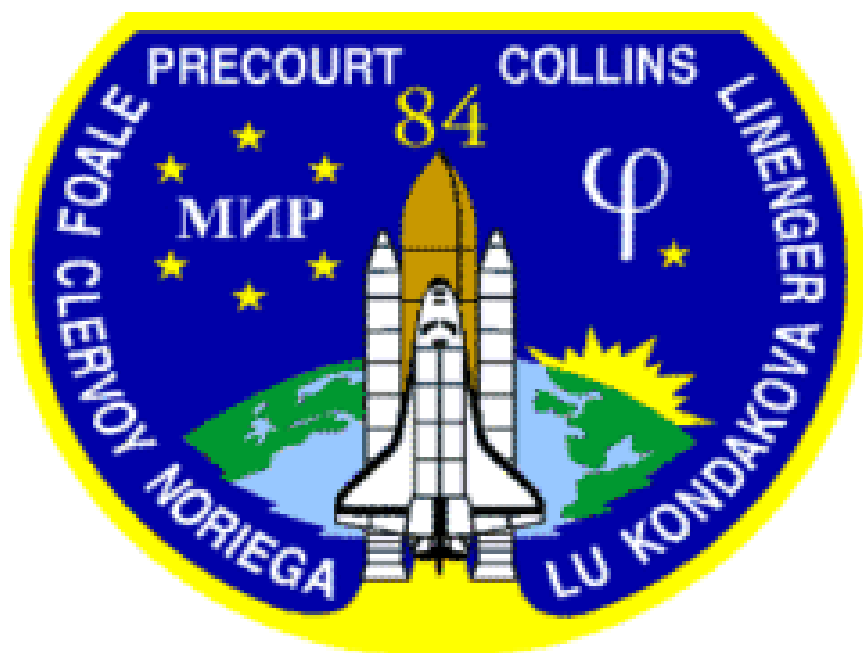


MISSION OPERATIONS AND DATA SYSTEMS DIRECTORATE



STS-84 S/MM-06 FLIGHT READINESS REVIEW

NETWORKS



AGENDA

- TDRSS CONSTELLATION
- LANDING PROFILE
- SIGNIFICANT CHANGES
- STS-84 INTERNET PROTOCOL TRANSITION
- CONFIGURATION MANAGEMENT
- READINESS CERTIFICATION

GARY A. MORSE
GSFC/NETWORKS
APRIL 1997

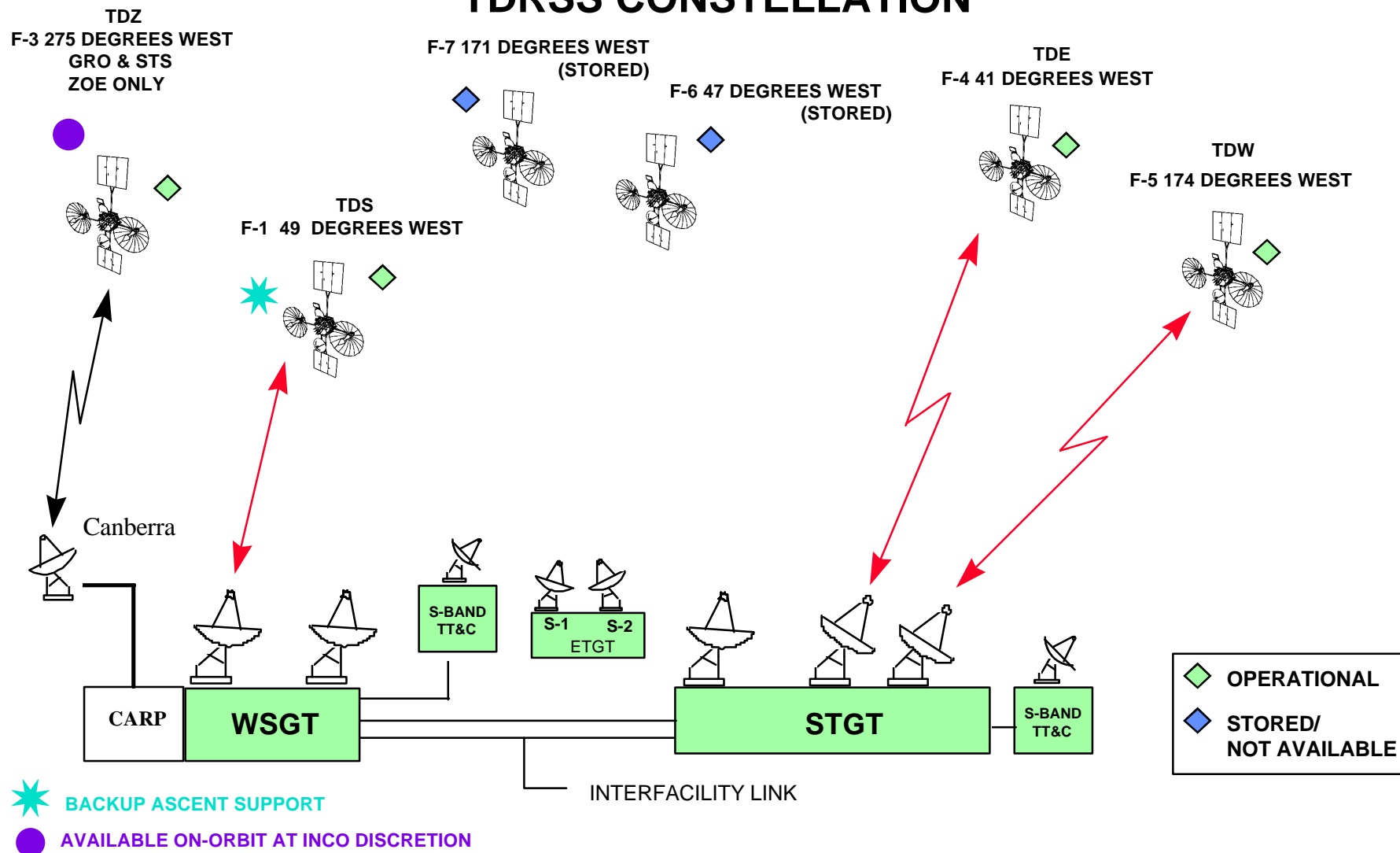
**MO&DS
DIRECTORATE**

CODE 500

STS-84 S/MM-6 NETWORKS



TDRSS CONSTELLATION



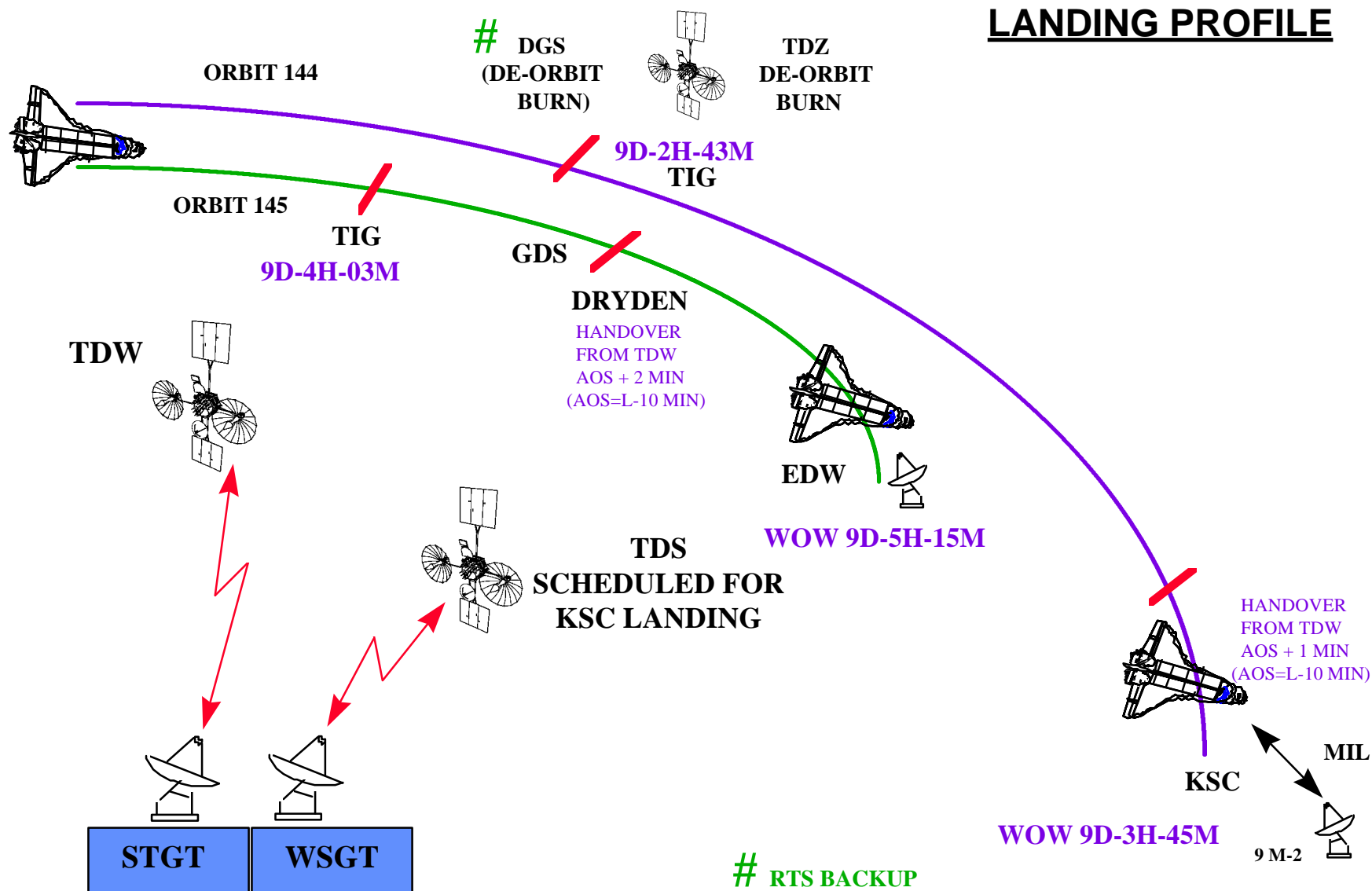
**MO&DS
DIRECTORATE**

CODE 500

STS-84 S/MM-6 NETWORKS



LANDING PROFILE



**MO&DS
DIRECTORATE****CODE 500****STS-84 S/MM-6
NETWORKS****SIGNIFICANT CHANGES**

- **GROUND NETWORK**
 - **BERMUDA - MBR INSTALLATIONS AND CHECKOUT CONTINUES**
 - **COMMAND RECORDING ON DIGITAL RECORDING SYSTEM**
 - **MILA - REPLACED POWER FEEDER CABLE BETWEEN STATION SWITCH GEAR AND DISTRIBUTION BOX FOR 9M 1/2**
 - **PDL - MBR EQUIPMENT HAS BEEN INSTALLED AND CHECKOUT HAS BEGUN**
- **JPL/DSN**
 - **GOLDSTONE SHUTTLE FORWARD LINK (SFL) COMMAND SWITCHING SYSTEM (CSS) WILL BE REPLACED BY A PATCH PANEL**
- **SPACE NETWORK**
 - **TDE AND TDW WILL BE HANDED OVER TO STGT FOR MISSION OPERATIONS ON APRIL 28, 1997. TDS SUPPORT WILL BE TRANSITIONED TO WSGT**

**MO&DS
DIRECTORATE**

CODE 500

STS-84 S/MM-6 NETWORKS



SIGNIFICANT CHANGES (CONT)

- **WSC**
 - **SOFTWARE**
 - **STGT/CARP BASELINE 97003 SCHEDULED FOR DELIVERY
APRIL 22-23, 1997**
 - **ADDS NEW SOFTWARE FOR INCREASED LOGGING CAPABILITY ON ALL
ADPE'S**
 - **FIXES SHO EDITOR SOFTWARE DELIVERY ANOMALIES**
 - **97002 WAS DELIVERED ON MARCH 19, 1997**
 - **WSGT BASELINE 97002 SCHEDULED FOR DELIVERY APRIL 30, 1997**
 - **FIXES SHO EDITOR SOFTWARE DELIVERY ANOMALIES**
 - **97003 WILL BE DELIVERED TO WSGT POST STS-84**
 - **HARDWARE**
 - **ETGT DEACTIVATION IS SCHEDULED FOR APRIL 21, 1997**
- **MIR VHF (WALLOPS/DRYDEN)**
 - **INSTALLED SOFTWARE TO PROVIDE DOPPLER CORRECTION FOR UPLINK AND
DOWNLINK**
 - **FURTHER ENHANCEMENTS ARE IN PROGRESS**

**MO&DS
DIRECTORATE**

CODE 500

STS-84 S/MM-6 NETWORKS



SIGNIFICANT CHANGES (CONT)

- **NASA INTEGRATED SUPPORT NETWORK (NISN)**
 - **INTERNET PROTOCOL TRANSITION**
 - **TESTING CONTINUES ON NEW ROUTER PROTOCOL**
 - **MISSION CONFIGURATION TARGET WILL AGAIN BE HYBRID**
 - **JSC/GSFC (NCC AND FDF):** **IP**
 - **ALL OTHERS:** **MSS**

**MO&DS
DIRECTORATE**

CODE 500

STS-84 S/MM-6 NETWORKS



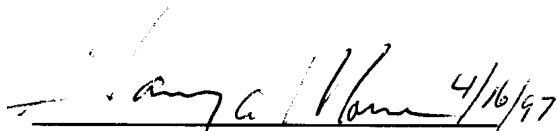
CONFIGURATION MANAGEMENT

- **HARDWARE/SOFTWARE FREEZE**
 - **INTEGRATED NETWORKS FREEZE WILL BE IMPOSED AT LAUNCH MINUS 7 DAYS**
 - **EXEMPTIONS ARE APPROVED BY THE NETWORK DIRECTOR AND APPROPRIATE DIVISION CHIEFS**
- **CRITICAL PERIODS**
 - **CRITICAL PERIODS HAVE BEEN IDENTIFIED**
 - **MAINTENANCE AND TESTING RESTRICTIONS ARE IMPOSED ON SPACE AND GROUND NETWORK ELEMENTS DURING CRITICAL MISSION PERIODS**

GODDARD SPACE FLIGHT CENTER

CERTIFICATE OF MISSION OPERATIONS AND DATA SYSTEMS DIRECTORATE (MO&DSD) NETWORKS READINESS

THIS IS TO CERTIFY THAT WITH SUCCESSFUL COMPLETION OF FLIGHT
READINESS PREPARATIONS AND CLOSURE OF ASSOCIATED ACTION ITEMS, ALL
MO&DSD ELEMENTS AND INTEGRATED NETWORKS ARE READY
TO SUPPORT THE STS-84 S/MM-06 SPACEHAB-DM MISSION.

 4/16/97

G. A. MORSE
SPACE SHUTTLE
NETWORK DIRECTOR

 4/16/97

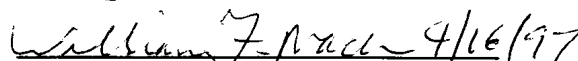
W. WATSON
ASSISTANT CHIEF
NETWORKS DIVISION

 4/16/97

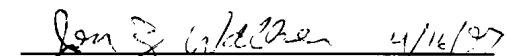
R. STELMASZEK
HUMAN SPACE FLIGHT
MISSION SUPPORT MANAGER

 4/16/97

W. FRIEDMAN
NMOS PROGRAM
MANAGER

 4/16/97

W. MACK
OFFICE OF FLIGHT
ASSURANCE

 4/16/97

JON Z. WALKER
HEAD, INTEGRATION AND
OPERATIONS MANAGEMENT

**MO&DS
DIRECTORATE**

CODE 500

STS-84 S/MM-6 NETWORKS



BACKUP

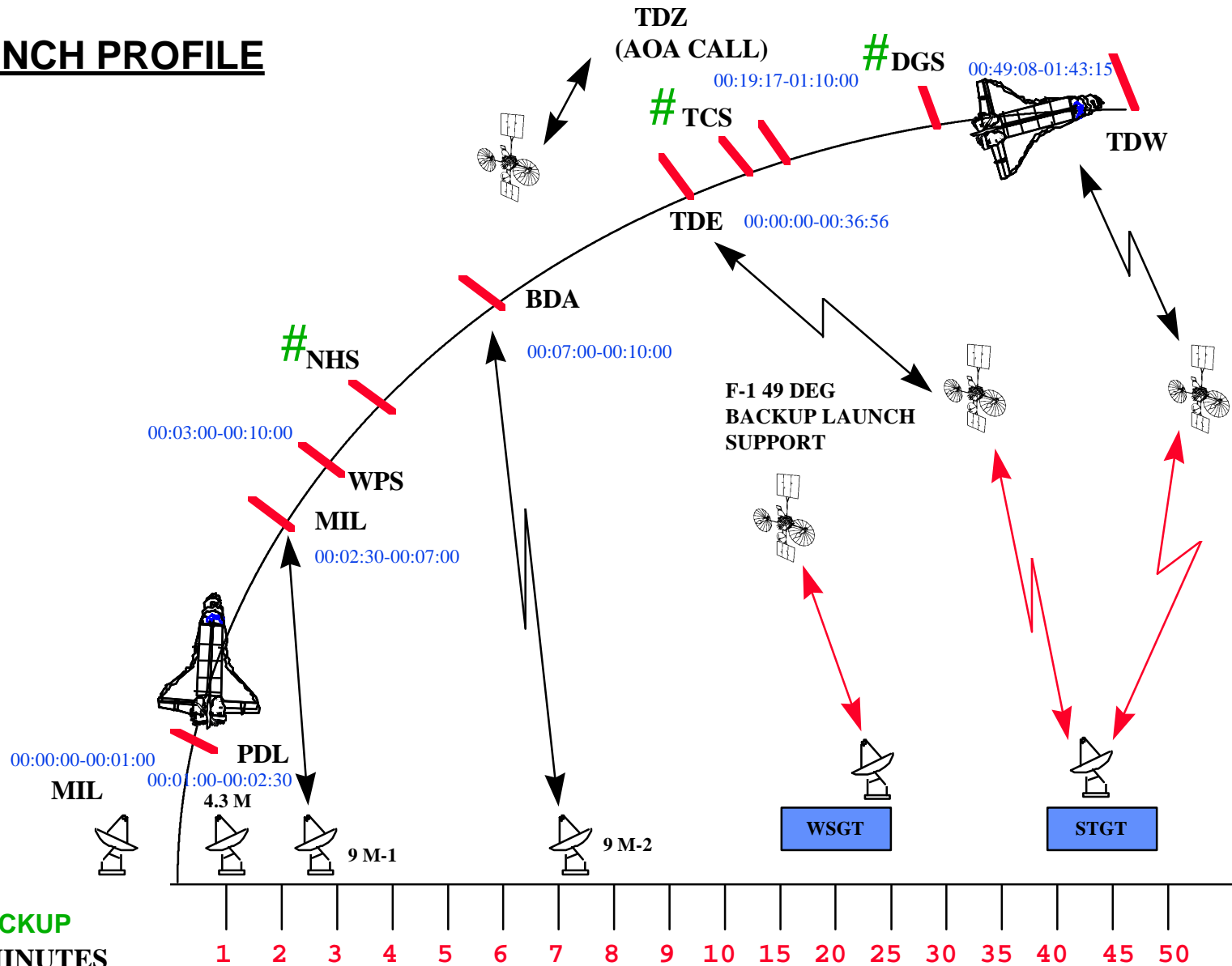
**MO&DS
DIRECTORATE**

CODE 500

STS-84 S/MM-6 NETWORKS



LAUNCH PROFILE



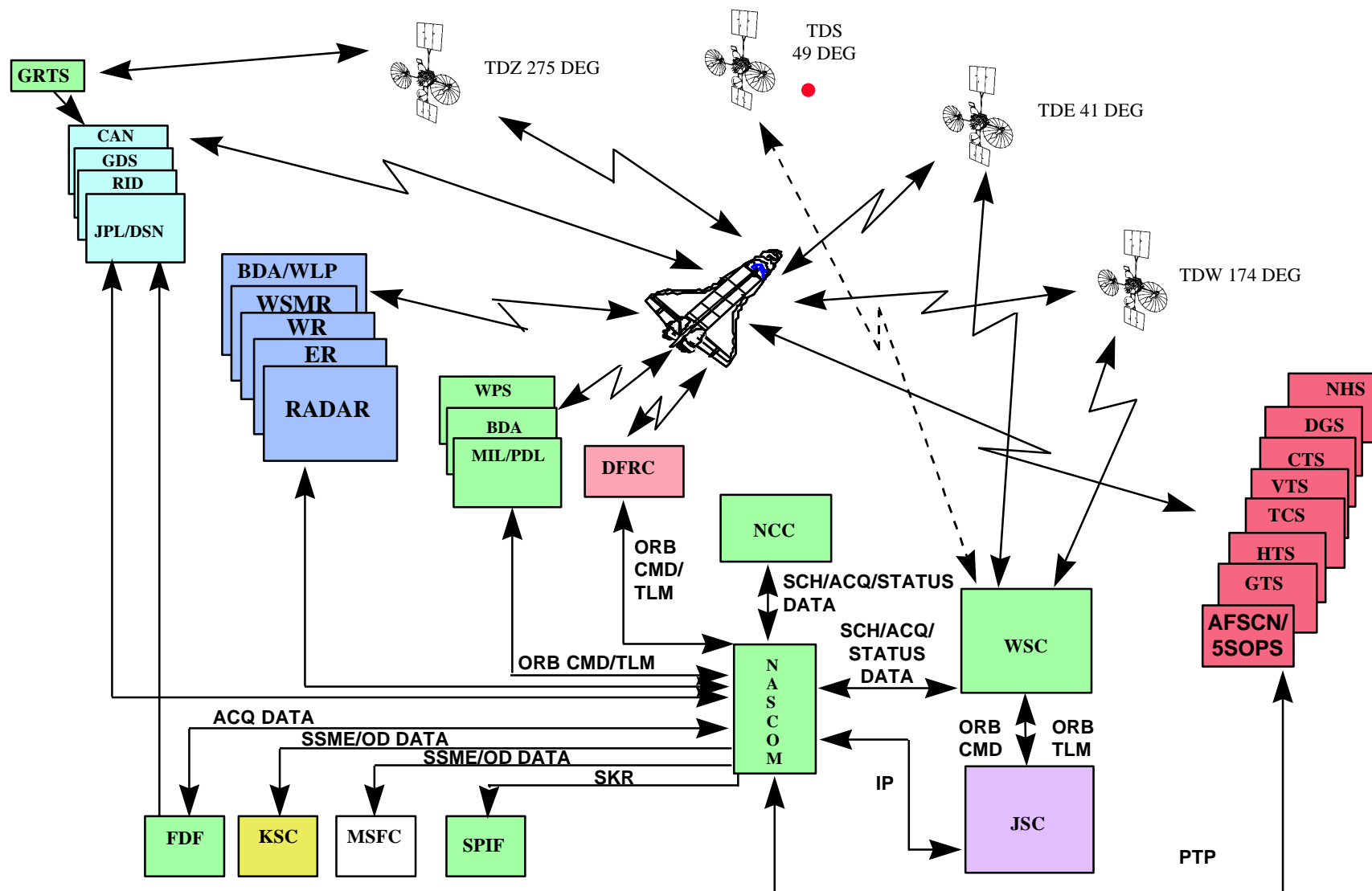
**MO&DS
DIRECTORATE**

CODE 500

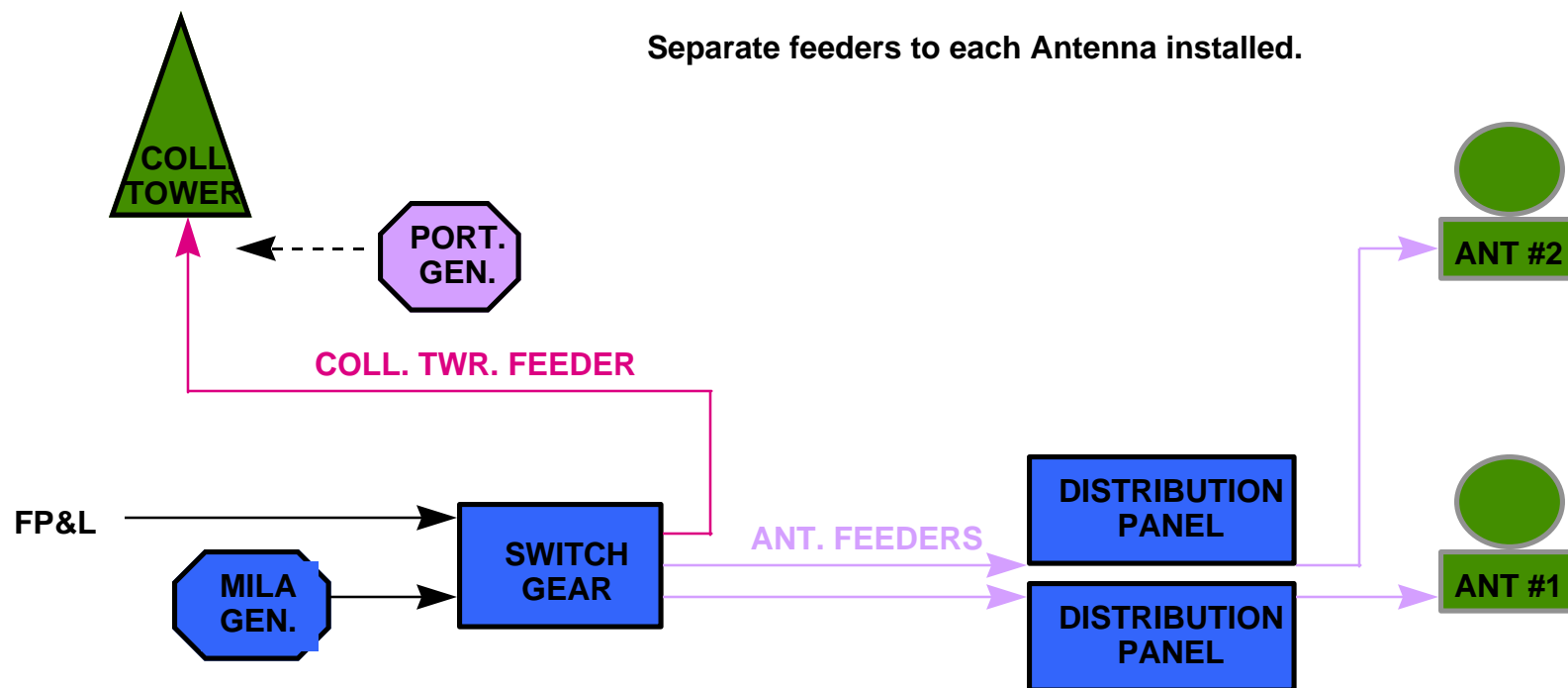
STS-84 S/MM-6 NETWORKS



STS-84 INTEGRATED NETWORK



● BACKUP LAUNCH SUPPORT

**MO&DS
DIRECTORATE****CODE 500****STS-84 S/MM-6
NETWORKS****STS-84 MILA POWER CONFIGURATION**

**MO&DS
DIRECTORATE**

CODE 500

STS-84 S/MM-6 NETWORKS



STS-84 INTERNET PROTOCOL TRANSITION

